



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

12/Am+ C  
EP  
1-12-03

In re Application of:

5      Serial No.:      Thru-Tubing Technology, Inc.      Art Unit:      3679  
     Filed:      09/898,735  
     For:      3 July 2001  
     "Ribbed Sealing Element and      Examiner:      Hewitt, James M.  
     Method of Use"  
10      Docket No.:      115.015

Attention: Box Amendment  
Assistant Commissioner for Patents  
Washington, D.C. 20231

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GROUP 3600

15      AMENDMENT IN RESPONSE TO OFFICE ACTION  
     CONFORMED IN RESPONSE TO NOTICE OF NON-COMPLIANT AMENDMENT

Sir:

20      In response to the Office Action dated 15 July 2002, please enter the following  
     amendments, new claims and remarks.

IN THE SPECIFICATION

25      A.      At page 8, lines 4-10, please delete the present paragraph and replace with the following  
     paragraph:

Patent No. 6,276,690.      This application is a continuation of application serial no. 09/303,201, filed on 30 April 1999, now U.S.

Referring now to Fig. 1, a cross-sectional view of the novel device 2 before engagement of the  
sealing mechanisms will now be described. The device 2 generally contains a top swage 4. The  
top swage 4 contains a first tapered outer cylindrical surface 6 that extends to a conically tapered  
30      surface 8 which in turn extends to the second outer cylindrical surface 10. The top swage 4 has a  
top end 11 that extends radially inward to the inner bore surface 12 that terminates at the end 14.  
In the preferred embodiment, the top swage 4 is made of high tensile steel, having a 108 or higher  
on the Rockwell B scale.